

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P773237

Luminaire Tested: LD6D85BD010-EU6DR7070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8899.9 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

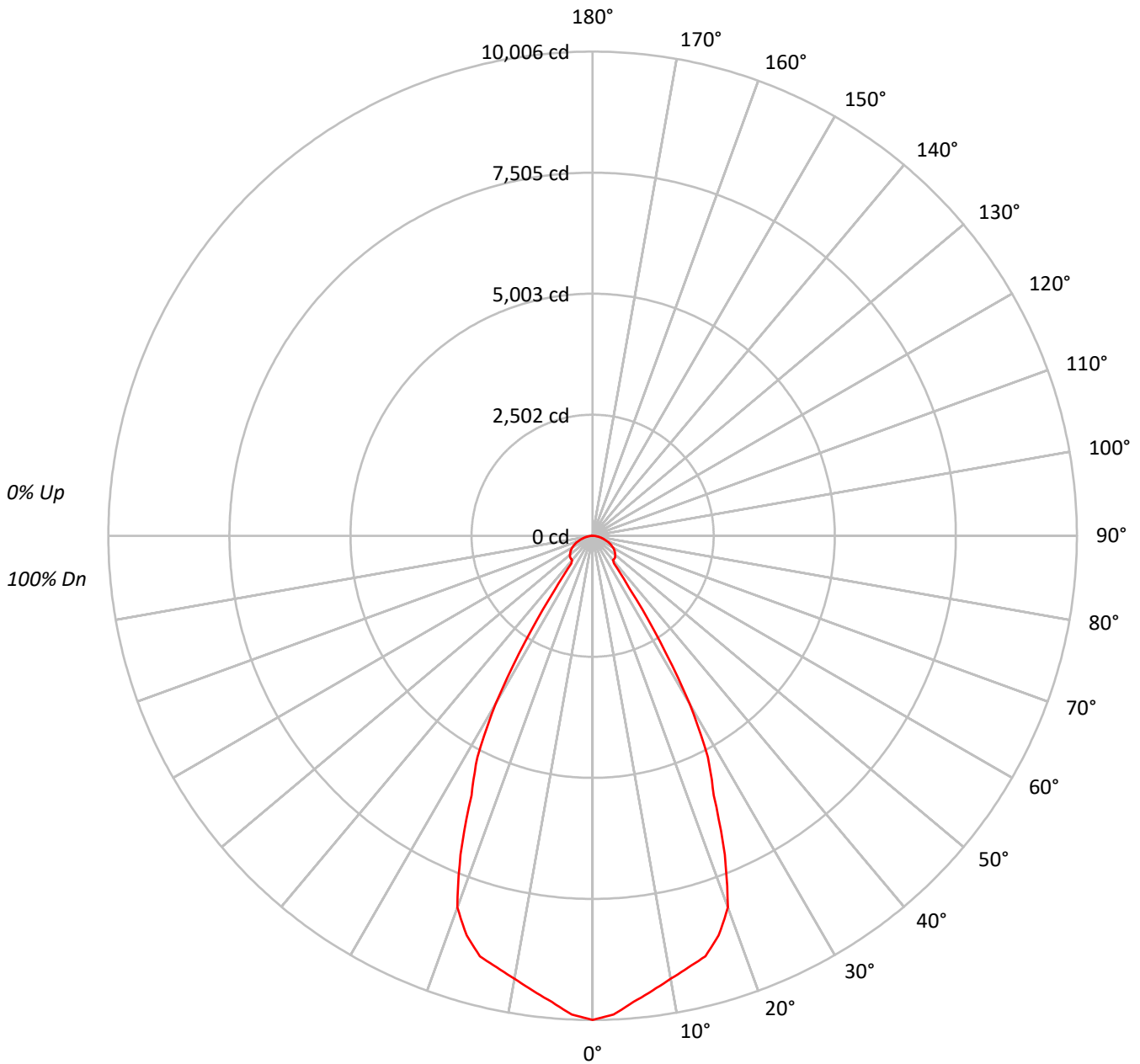
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1093263
5°	1060785
10°	1031212
15°	1017685
20°	950310
25°	713920
30°	504679
35°	178773
40°	93993
45°	100128
50°	103671
55°	105627
60°	106289
65°	104034
70°	98169
75°	90974
80°	80727
85°	65565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 106312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.3	10.3
10°-20°	2502.3	28.1
20°-30°	2755.9	31.0
30°-40°	1053.0	11.8
40°-50°	497.2	5.6
50°-60°	494.3	5.6
60°-70°	395.8	4.4
70°-80°	227.4	2.6
80°-90°	61.8	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6170.5	69.3
0°-40°	7223.4	81.2
0°-60°	8214.9	92.3
0°-90°	8899.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8899.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10006	
5°	9672	912
15°	8997	2502
25°	5922	2756
35°	1340	1053
45°	648	497
55°	554	494
65°	402	396
75°	216	227
85°	52	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10006.0
2.5°	9901.5
5°	9671.8
7.5°	9480.1
10°	9294.7
12.5°	9137.9
15°	8996.9
17.5°	8656.3
20°	8173.1
22.5°	7130.7
25°	5921.9
27.5°	5155.1
30°	4000.2
32.5°	2583.9
35°	1340.3
37.5°	724.0
40°	659.0
42.5°	654.3
45°	648.0
47.5°	633.7
50°	609.9
52.5°	583.0
55°	554.5
57.5°	522.8
60°	486.4
62.5°	445.2
65°	402.4
67.5°	354.9
70°	307.3
72.5°	259.8
75°	215.5
77.5°	169.5
80°	128.3
82.5°	90.3
85°	52.3
87.5°	20.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)